20041209.ba v03_n737.bam.20041209

>From ???@??? Thu Dec  9 07:54:37 2004 -0600
Date: Thu,  9 Dec 2004 07:51:02 CST
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3737
Message-Id: <20041209135103.94A8E215AFD@srvr1.theporch.com>

BOATANCHORS Digest 3737

Topics covered in this issue include:


  1) Re: EF Johnson VFO Mod Instructions?
     by "Marty Reynolds' debris field" <polepeeg@ba-watch.org>
  2) Re: EF Johnson VFO Mod Instructions?
     by "Marty Reynolds' debris field" <polepeeg@ba-watch.org>
  3) Which begs the question...
     by "Herbert M. Rosenthal" <herbrose@comcast.net>
  4) Re: EF Johnson VFO Mod Instructions?
     by "Arden Allen" <gumbear@pacbell.net>
  5) Re: Which begs the question...
     by Garey Barrell <k4oah@mindspring.com>
  6) Re: Which begs the question...
     by "Tom Rauch" <w8ji@contesting.com>
  7) A.R.C. Type 7544 ATA Tester
     by WA5CAB@cs.com
  8) Re: [ARC5] A.R.C. Type 7544 ATA Tester
     by David Stinson <arc5@ix.netcom.com>
  9) Re: A.R.C. Type 7544 ATA Tester
     by WA5CAB@cs.com
 10) Re: A.R.C. Type 7544 ATA Tester Value
     by WA5CAB@cs.com
 11) Re: A.R.C. Type 7544 ATA Tester
     by David Stinson <arc5@ix.netcom.com>
 12) Re: A.R.C. Type 7544 ATA Tester & BC-950
     by WA5CAB@cs.com
 13) Re: A.R.C. Type 7544 ATA Tester
     by WA5CAB@cs.com
 14) Elenco 77
     by "David  Thompson" <thompson@mindspring.com>
 15) Last date of telegraph
     by "Tom Rauch" <w8ji@contesting.com>
 16) Re: BOATANCHORS digest 3736
     by "David M. Upton" <david@wb1cmg.mv.com>
 17) Wanted: Copy of RBM-5 Manual Pages
     by Mike Hardie <mike46@shaw.ca>
 18) Galaxy Part  Wanted

by Bob Kemp <bkemp@bobkemp.com>

---

Message-ID: <32917.24.30.83.206.1102507163.squirrel@fracas.netboobie.org>
Date: Wed, 8 Dec 2004 06:59:23 -0500 (EST)
Subject: Re: EF Johnson VFO Mod Instructions?
From: "Marty Reynolds' debris field" <polepeeg@ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Old Tube Radios" <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain;charset=iso-8859-1
Content-Transfer-Encoding: 8bit

>Very easily done with these modern day
 resistors with their microdot-sized bands, where my rods and
 cones don't get enough light to see colours.

Brian, I think you've hit it!  Color-coding paint decides failure mode

---

Message-ID: <32928.24.30.83.206.1102507948.squirrel@fracas.netboobie.org>
Date: Wed, 8 Dec 2004 07:12:28 -0500 (EST)
Subject: Re: EF Johnson VFO Mod Instructions?
From: "Marty Reynolds' debris field" <polepeeg@ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Old Tube Radios" <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain;charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Well I worked in a Cincy hifi shop summer of '59 & fixed things.  Certainly
not 3000 per Arden.   But I take issue w. one Arden statement

>Fisher Radio learned to import quality parts from
> Germany in the 50's as one quality standout.
>

Fisher used a capacitor brand called Wima.  They WERE THE PITS

The spiral-cut carbon resistors were nice & many are soldiering on to
this day with minimal value change.

---

Message-ID: <41B86A8F.DCE64211@comcast.net>
Date: Thu, 09 Dec 2004 08:09:10 -0700
From: "Herbert M. Rosenthal" <herbrose@comcast.net>

MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Which begs the question...
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have seen construction articles on contemporary high voltage power supplies (to abouit 600v) that use low wattage resistors of the common variety as fuses. I believe the fuse is supposed to act as a current-limiting device in the plate circuit, and self-destruct to open and thus save an over current situation.

If these resistors can fail shorted, or low ohm, I fail to see that this is good design choice for a fuse. Seems as if the protected load could go into over current fault before the resistor provided any protection, if at all.

Kilovolt and higher supplies use a wirewound resistor for protection-about 10 ohm/20 watt for a 3200 v linear PA supply. This seems a better choice to me as the resistance wire has a definite current maximum before it melts open. Correct? Is it possible for a wirewound to fail shorted? I can't see how.

But time to melt is certainly a factor (.24WT), and the PA tube could be damaged while the resistor is heating to melt.

And what about arcing once the wirewound has opened? Would it continue to arc until the gap widened and could not sustain an arc?

Finally, isn't  there a fire consideration? A Heath SB200 linear kit I built many years ago came with the wrong PB relay in the correct parts box, and had a 6v DC coil instead of a 150 vdc coil. Needless to say, it fried, sizzled, smoked and perhaps there was some flame by the time I got everything under control (when I called Heath, they already knew several kits were shipped with the wrong relay, and Heath made good-even threw in a pair of 572s s a goodwill gesture.) I really believe the plastic did ignite. Point is, not all components go into failure fast and clean.

Herb Rosenthal W5AN

---
Message-ID: <002b01c4dd3c$709e8630$c3e47443@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Old Tube Radios" <boatanchors@theporch.com>
Subject: Re: EF Johnson VFO Mod Instructions?
Date: Wed, 8 Dec 2004 07:22:11 -0800
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Fisher used a capacitor brand called Wima.  They WERE THE PITS

Indeed they were, Marty.  I called them a name that best described their appearance.  But when Fisher finally learned their lesson they began using capacitors of excellent quality and are still good in units built in the 60's.

Arden Allen
KB6NAX

---

Message-ID: <41B725BC.9090603@mindspring.com>
Date: Wed, 08 Dec 2004 11:03:08 -0500
From: Garey Barrell <k4oah@mindspring.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Which begs the question...
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Herb -

We just had a big discussion about this on the Drake list ref the 0.82 ohm resistor in the L-4B/L-7 power supply.

The resistor Drake used was an IRC BWH, which is a 2W wirewound "flameproof" resistor.  It essentially explodes under fault, clearing the HV path.

The problem is that fuses have voltage ratings as well as current ratings.  The typical 3AG style glass cartridge fuse is rated at 120 VAC.  Automotive fuses of this type are rated at 32V.  I don't know, but suspect the reduced voltage rating is because when the larger fuse link vaporizes, it deposits enough of itself on the inside of the glass that it doesn't really "clear" for higher voltage.

There ARE HV fuses, Collins used one in the KWS-1.  It's about 6 inches long, and pretty expensive these days.

So the RIGHT WW resistor works.  Composition resistors don't, what started the discussion on Drakelist was someone seeing a "red glow" inside his power supply for "a while" after a loud pop in the RF deck!  It appears someone had replaced the BWH resistor with a ceramic composition one.

So this application is just a low cost HV fuse.

The OTHER school of thought uses a larger WW resistor, 10 ohm /10W or so, to merely limit the maximum current under transient overloads such as tube flashover or tuning cap arc, whatever.  It's job is not to fuse the supply, just protect it from huge 100 amp+ surge currents for a short time.  Obviously if the overload lasts long enough, we hope the primary fuse or CB opens up!  If it doesn't hopefully the resistor WILL burn open.  Those who advance this application also usually advise that the resistor be mounted inside some sort of protective tubing, just in case it does blow!

73, Garey - K4OAH
Atlanta

Herbert M. Rosenthal wrote:

>I have seen construction articles on contemporary high voltage power supplies
>(to abouit 600v) that use low wattage resistors of the common variety as fuses.
>I believe the fuse is supposed to act as a current-limiting device in the plate
>circuit, and self-destruct to open and thus save an over current situation.
>
>If these resistors can fail shorted, or low ohm, I fail to see that this is good
>design choice for a fuse. Seems as if the protected load could go into over
>current fault before the resistor provided any protection, if at all.
>
>Kilovolt and higher supplies use a wirewound resistor for protection-about 10
>ohm/20 watt for a 3200 v linear PA supply. This seems a better choice to me as
>the resistance wire has a definite current maximum before it melts open.
>Correct? Is it possible for a wirewound to fail shorted? I can't see how.
>
>But time to melt is certainly a factor (.24WT), and the PA tube could be damaged
>while the resistor is heating to melt.
>
>And what about arcing once the wirewound has opened? Would it continue to arc
>until the gap widened and could not sustain an arc?
>
>Finally, isn't  there a fire consideration? A Heath SB200 linear kit I built
>many years ago came with the wrong PB relay in the correct parts box, and had a
>6v DC coil instead of a 150 vdc coil. Needless to say, it fried, sizzled, smoked
>and perhaps there was some flame by the time I got everything under control
>(when I called Heath, they already knew several kits were shipped with the wrong
>relay, and Heath made good-even threw in a pair of 572s s a goodwill gesture.) I
>really believe the plastic did ignite. Point is, not all components go into
>failure fast and clean.
>
>Herb Rosenthal W5AN
>

>
>
>

------------------------------
Message-ID: <004801c4dd3e$d7ed9900$6601a8c0@akorn.net>
From: "Tom Rauch" <w8ji@contesting.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Which begs the question...
Date: Wed, 8 Dec 2004 10:59:04 -0500
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit


> I have seen construction articles on contemporary high
voltage power supplies
> (to abouit 600v) that use low wattage resistors of the
common variety as fuses.
> I believe the fuse is supposed to act as a
current-limiting device in the plate
> circuit, and self-destruct to open and thus save an over
current situation.

Fuses designed to open under overcurrent fault conditions
are notoriously unreliable in delicate HV systems where
sensitive components are protected. A look at their fault
current ratings and opening times under ideal conditions can
be very educational!

Resistors not designed to open are even worse. If they were
any good as fuses, that would be a resistor panel
distributing power to your house instead of magnetic
breakers.

> Kilovolt and higher supplies use a wirewound resistor for
protection-about 10
> ohm/20 watt for a 3200 v linear PA supply. This seems a
better choice to me as
> the resistance wire has a definite current maximum before
it melts open.
> Correct? Is it possible for a wirewound to fail shorted? I
can't see how.

I've never heard of a wirewound failing shorted, and I doubt
it is possible long term. But short term while the resistor
is in the process of opening it can hang in "conducting

mode" with hardly any resiostance as the trail of ionized air and molten metal bridges the gap.

As a second thought consider this:
Many or most HV supplies use strings of capacitors in series, each with perhaps 1/2 to 1 ohm ESR. Then you have wiring, shunts, chokes, and so on in the path. The typical HV fault path resistance of the typical HF PA's I've dealt with are already 8-15 ohms without any additional resistance. Adding a 10 ohm LV WW resistor does only a little bit to that path, and often actually causes problems when it is in the negative rail.

The resistor really should be a pulse rated resistor able to hold off the full supply voltage, and it should be up in the 20 ohm or higher range if the system will tolerate it.

I'm guilty of using thin enameled wire as a HV link fuse, and I have on occasion used carbon resistors to locate an unknown fault (like which tube is arcing?). But for reliable protection in commercial or tell-the-world-to-do-it-this-way articles a bit morer sensible engineering would be better.

But time to melt is certainly a factor (.24WT), and the PA tube could be damaged
> while the resistor is heating to melt.

I work with PA's all the time. Day in and day out. I've never yet seen a tube damaged by a fault, although I suppose it could happen if the supply had large oil filled caps and evenything between the caps and tube was low ESR.

What usually happens is the tube outgasses or has a bit of air ingress through seals, or conductive materials redeposit inside on insulation and the tube "burps". Once the high vacuum arc occurs a tube will often heal.

If you calculate the magentic forces inside the tube during a fault, they are actually pretty low. Any fault damage usually in multiturn inductors where the ampere-turns can collapse some pretty stout windings, in diodes and semi-cionductors, and of course panel meters.

Many problems in tube manufacturing like distorted filament helices or bad welds get blamed on the arcs, but in truth the tube problem usually causes any external failures.

73 Tom

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------------------------------
From: WA5CAB@cs.com
Message-ID: <e8.8055778.2ee8870c@cs.com>
Date: Wed, 8 Dec 2004 11:34:20 EST
Subject: A.R.C. Type 7544 ATA Tester
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative; boundary="part1_e8.8055778.2ee8870c_boundary"

--part1_e8.8055778.2ee8870c_boundary
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Groups,

Anyone have an interest in a 7544?  I'm apparently going to acquire one as
part of a swap deal.  Very nice condition.  It is a metering unit that goes
between the modulator and transmitter rack.  Five meters.  I presume it would also
work with SCR-274N.  But not with AN/ARC-5.

73
Robert Downs - Houston
<http://www.wa5cab.com> (Web Store)
<wa5cab@cs.com> (Primary email)
<wa5cab@houston.rr.com> (Backup email)

--part1_e8.8055778.2ee8870c_boundary
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

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*         ---REMAINDER OF MESSAGE TRUNCATED---              *
*     This post contains a forbidden message format         *
*  (such as an attached file, a v-card, HTML formatting)    *
*    Mail Lists at theporch.com only accept PLAIN TEXT      *
* If your postings display this message your mail program   *
* is not set to send PLAIN TEXT ONLY and needs adjusting    *
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--part1_e8.8055778.2ee8870c_boundary--

------------------------------
Message-ID: <41B73465.4020808@ix.netcom.com>
Date: Wed, 08 Dec 2004 11:05:41 -0600
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
```

CC: milsurplus@mailman.qth.net, boatanchors@theporch.com, arc5@mailman.qth.net
Subject: Re: [ARC5] A.R.C. Type 7544 ATA Tester
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Let me endorse- This is a very handy accessory.
Looks cool, too.

WA5CAB@cs.com wrote:
> Groups,
>
> Anyone have an interest in a 7544? I'm apparently going to acquire one as
> part of a swap deal. Very nice condition. It is a metering unit that goes
> between the modulator and transmitter rack. Five meters. I presume it would
also
> work with SCR-274N. But not with AN/ARC-5.
>
> 73
> Robert Downs - Houston
> <http://www.wa5cab.com> (Web Store)
> <wa5cab@cs.com> (Primary email)
> <wa5cab@houston.rr.com> (Backup email)
> _____
> ARC5 mailing list
> ARC5@mailman.qth.net
> http://mailman.qth.net/mailman/listinfo/arc5
>

---
From: WA5CAB@cs.com
Message-ID: <1ea.316fc2d4.2ee89179@cs.com>
Date: Wed, 8 Dec 2004 12:18:49 EST
Subject: Re: A.R.C. Type 7544 ATA Tester
To: Old Tube Radios <boatanchors@theporch.com>
CC: boatanchors@theporch.com, arc5@mailman.qth.net, milsurplus@mailman.qth.net
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="part1_1ea.316fc2d4.2ee89179_boundary"

--part1_1ea.316fc2d4.2ee89179_boundary
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Correction. Per list member who "done done it", works OK with AN/ARC-5 if
appropriate 12-pin connectors and wiring are used.

I haven't sat down with the ATA and AN/ARC-5 system schematics and carefully
compared them but if above is (obviously must be) true, wonder why A.R.C. used

a different connector pair on the late set?

Brings up another thought, too.  I actually have one but it never occurred to me to look, and it's currently two miles away.  What rack series does the BC-950 fit?  And which modulator did it work with?  BC-456 as it has some sort of 815 modulator circuit built in?

Robert Downs - Houston
<http://www.wa5cab.com> (Web Store)
<wa5cab@cs.com> (Primary email)
<wa5cab@houston.rr.com> (Backup email)

--part1_1ea.316fc2d4.2ee89179_boundary
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

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--part1_1ea.316fc2d4.2ee89179_boundary--

---
From: WA5CAB@cs.com
Message-ID: <46.5e48af18.2ee89a3a@cs.com>
Date: Wed, 8 Dec 2004 12:56:10 EST
Subject: Re: A.R.C. Type 7544 ATA Tester Value
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="part1_46.5e48af18.2ee89a3a_boundary"

--part1_46.5e48af18.2ee89a3a_boundary
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Groups,

Stupid me.  Should have asked this to begin with and saved several loops.  Anyone have an opinion they'll share as to fair market value?  I've never seen one sell so I'm clueless.

>From what I can see in the two photos, looks like it just came out of the

box.  Stamped release date is 1-43.  Current owner (who doesn't do Command Sets either) wants to trade it toward a Ground radio set I have and decided to get rid of.  So I need to know what to allow him on it, which is basically going to be whatever I can get for it.

Robert Downs - Houston
<http://www.wa5cab.com> (Web Store)
<wa5cab@cs.com> (Primary email)
<wa5cab@houston.rr.com> (Backup email)

--part1_46.5e48af18.2ee89a3a_boundary
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

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--part1_46.5e48af18.2ee89a3a_boundary--

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Message-ID: <41B74297.1090906@ix.netcom.com>
Date: Wed, 08 Dec 2004 12:06:15 -0600
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: boatanchors@theporch.com, arc5@mailman.qth.net, milsurplus@mailman.qth.net
Subject: Re: A.R.C. Type 7544 ATA Tester
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

WA5CAB@cs.com wrote:
> Correction.  Per list member who "done done it", works OK with AN/ARC-5
> if appropriate 12-pin connectors and wiring are used.

Mine doesn't work that way.  I never investingated,
but my 274N set would not work properly with AN/ARC-5.
Don't know why.

> ...wonder
> why A.R.C. used a different connector pair on the late set?

To keep some 90-day wonder "radio man" from plugging in an ATA
screen modulator where an ARC-5 plate modulator should go.

> Brings up another thought, too.  I actually have one but it never
> occurred to me to look, and it's currently two miles away.  What rack
> series does the BC-950 fit?...
Standard SCR-274N rack.

> And which modulator did it work with?

The BC-456 modulator would have been there for the
HF transmitters.
As you noted, the BC-950 has it's own built-in 815 plate modulator.
You can see where this was removed in early runs of
the T-23/ARC-5 sets.  In the ARC-5, they solved the
differing levels of mod needed between HF and VHF sets
by padding down the modulator output when in VHF mode.
I don't have a 274N VHF manual,
so don't know how they switched-out the BC-456 screen
modulator.  If anyone does have this manual, I'd sure
pay for a copy.

73 DE Dave Stinson AB5S

---
From: WA5CAB@cs.com
Message-ID: <fa.7ee0e29.2ee8ab47@cs.com>
Date: Wed, 8 Dec 2004 14:08:55 EST
Subject: Re: A.R.C. Type 7544 ATA Tester & BC-950
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative; boundary="part1_fa.7ee0e29.2ee8ab47_boundary"

--part1_fa.7ee0e29.2ee8ab47_boundary
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 12/8/2004 12:07:42 PM Central Standard Time,
arc5@ix.netcom.com writes:
> >Brings up another thought, too.  I actually have one but it never
> >occurred to me to look, and it's currently two miles away.  What rack
> >series does the BC-950 fit?...
> Standard SCR-274N rack.
>

I'll have to look at the BC-950 I have and make sure it still has the small
pin circle connector.  If it does, that unit is available if anyone needs it.

> >And which modulator did it work with?
>
> The BC-456 modulator would have been there for the
> HF transmitters.
> As you noted, the BC-950 has it's own built-in 815 plate modulator.
> You can see where this was removed in early runs of
> the T-23/ARC-5 sets.  In the ARC-5, they solved the
> differing levels of mod needed between HF and VHF sets
> by padding down the modulator output when in VHF mode.
> I don't have a 274N VHF manual,
> so don't know how they switched-out the BC-456 screen
> modulator.  If anyone does have this manual, I'd sure
> pay for a copy.
>

Yeah, me neither and me, too.

73
Robert Downs - Houston
<http://www.wa5cab.com> (Web Store)
<wa5cab@cs.com> (Primary email)
<wa5cab@houston.rr.com> (Backup email)

--part1_fa.7ee0e29.2ee8ab47_boundary
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

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--part1_fa.7ee0e29.2ee8ab47_boundary--

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From: WA5CAB@cs.com
Message-ID: <82.1cf619b0.2ee8ac4a@cs.com>
Date: Wed, 8 Dec 2004 14:13:14 EST
Subject: Re: A.R.C. Type 7544 ATA Tester
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative;

boundary="part1_82.1cf619b0.2ee8ac4a_boundary"

--part1_82.1cf619b0.2ee8ac4a_boundary
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Dave,

Mike was only referring to the ATA marked tester as working in the AN/ARC-5
transmitter system on the test bench.  Not to mixing modulators.

In a message dated 12/8/2004 12:09:13 PM Central Standard Time,
arc5@ix.netcom.com writes:
> WA5CAB@cs.com wrote:
> >Correction.  Per list member who "done done it", works OK with AN/ARC-5
> >if appropriate 12-pin connectors and wiring are used.
>
> Mine doesn't work that way.  I never investingated,
> but my 274N set would not work properly with AN/ARC-5.
> Don't know why.
>

Robert & Susan Downs - Houston
<http://www.wa5cab.com> (Web Store)
<wa5cab@cs.com> (Primary email)
<wa5cab@houston.rr.com> (Backup email)

--part1_82.1cf619b0.2ee8ac4a_boundary
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
*         ---REMAINDER OF MESSAGE TRUNCATED---            *
*     This post contains a forbidden message format       *
*  (such as an attached file, a v-card, HTML formatting)  *
*    Mail Lists at theporch.com only accept PLAIN TEXT    *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting  *
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

--part1_82.1cf619b0.2ee8ac4a_boundary--

------------------------------
Message-ID: <01b301c4dd77$17f1b620$5e049a04@yourxb2x7j77gn>
From: "David  Thompson" <thompson@mindspring.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Elenco 77
Date: Wed, 8 Dec 2004 17:41:42 -0500

MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have one of two known Elenco 77 transmitters known to exist.  It was the first 160 to 10 meter SSB/AM/CW transmitter
in mid 1955.  Less than 100 were actually made.

Elenco (not the same as the current test gear mfg) was owned by W9OHM who also designed the Elenco SS-75 sold by Steinberg's.  The builder, W9OHM, was the author of several articles from 1946 to 1957 on vintage SSB gear and was the author of the term "exalted carrier AM" reception.

The 77 I have is complete and has several optional plug in units.  I have a complete manual, two additional copies, and the schematic, plus a copy of the 1955 QST ad.

The transmitter runs 2 807's at 300 watts peak input but the text of the manual talks about 100 watts out.  The 77 is compete and in restorable condition.

I am looking for some idea of valuation as I want to move it on to someone who will restore it.

Pictures are available.

73 Dave K4JRB

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Message-ID: <018001c4dd97$73fedfe0$6601a8c0@akorn.net>
From: "Tom Rauch" <w8ji@contesting.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Last date of telegraph
Date: Wed, 8 Dec 2004 21:33:22 -0500
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone happen to know the last year telegraph (the kind
using sounders) was used in the USA?

I have a Signal Telegraph Instrument sounder 112-S new in
box and I'm trying to get an idea of the date.

73 Tom

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------------------------------
Message-ID: <41B7D4D2.1020608@wb1cmg.mv.com>
Date: Wed, 08 Dec 2004 23:30:10 -0500
From: "David M. Upton" <david@wb1cmg.mv.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BOATANCHORS digest 3736
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Just jump in here to say that a very good read about practical leaded
component parasitics and how to live with them can be found in the UHF
Compendium, Pts. 1&2 (single book).  This is a somewhat unusual text
heavily borrowed from DUBUS and other European sources in German with
English captions and translations by DJ9HO.  If you have an interest in
building beyond HF, it is highly recommended.

David M. Upton, WB1CMG
Mont Vernon, NH 03057



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Date: Wed, 08 Dec 2004 21:49:21 -0800
From: Mike Hardie <mike46@shaw.ca>
Subject: Wanted: Copy of RBM-5 Manual Pages
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <000001c4ddb2$d8cc6e90$6601a8c0@usern1yudx31pt>
MIME-version: 1.0
Content-type: multipart/alternative;
 boundary="----=_NextPart_000_0001_01C4DD6F.CAAAB530"

This is a multi-part message in MIME format.

------=_NextPart_000_0001_01C4DD6F.CAAAB530
Content-Type: text/plain;
     charset="Windows-1252"
Content-Transfer-Encoding: 7bit

If anyone out there has an RBM-5 manual I need a copy of pages 20 and
21.

Mike VE7MMH

---
Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.803 / Virus Database: 546 - Release Date: 11/30/2004
```

------=_NextPart_000_0001_01C4DD6F.CAAAB530
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

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*         ---REMAINDER OF MESSAGE TRUNCATED---            *
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* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

------=_NextPart_000_0001_01C4DD6F.CAAAB530--

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Message-ID: <41B8584B.2060506@bobkemp.com>
Date: Thu, 09 Dec 2004 07:51:07 -0600
From: Bob Kemp <bkemp@bobkemp.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Galaxy Part  Wanted
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

I'm in need of the xtal filter for a GT550 or 550A - I think it's even
the same as on the Galaxy VmkIII (it's blue in color and I'm not sure
what model they made the changeover to this particular unit).  The
Galaxy V has the older style case, for sure.
Bob

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End of BOATANCHORS Digest 3737
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